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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,193	07/11/2001	Jukka Hautanen	4208-4014	9960

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MORGAN & FINNEGAN, L.L.P.  
3 WORLD FINANCIAL CENTER  
NEW YORK, NY 10281-2101

EXAMINER

LIANG, REGINA

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 12/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/903,193

Applicant(s)

HAUTANEN ET AL.

Examiner

Regina Liang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-45 and 47-53 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-45, 47-53 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 103***

2. Claims 1-3, 7-15, 17, 50, 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over of Asai et al (US. Pub. No. 2002/0000984 hereinafter Asai).

As to claims 1, 50, Fig. 19 of Asai (third embodiment) discloses a display terminal comprising a bistable display (1031) for displaying display content and advertisement on the display. Asai discloses the advertisement information and the contents are sent from an external apparatus at appropriate times via a communication device (1359 in Fig. 21, page 13, section [0218]), Asai also disclose the bistable display having memory capability such that the advertisement remains on the bistable display after removing power to the display (for example see page 2, lines 9-12 in section [0029], page 6, lines 1-4 in section [0121], page 11, lines 8-10 in section [0178]). Fig. 22 of Asai teaches the display screen is switchable between a standby screen and a guidance screen, when the display terminal detects a person, the screen display is changed from the standby screen to the guidance screen, when there is key operation, the display is updated in accordance with the operation, and this routine is repeated until the operation is finished (see steps 1133-1135 of Fig. 22), when the operation is completed, the display on the display panel is returned to the advertisement screen (step 1136) and to end the processing (page 13, section [0220]). Asai (in third embodiment) does not explicitly disclose transmitting an indication of user inactivity. However, on page 11, section [0191] Asai teaches "after

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completion of the operation is checked based on a reason such that no key operation is performed within a predetermined time of the last key operation”, i.e. transmitting an indication of user inactivity. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display terminal of Asai to comprise transmitting an indication of user inactivity in step 1135 in order ensure that the user is finished with the operation prior to switching the guidance screen back to standby screen for displaying advertisement to avoid frustrating the user.

As to claim 2, Asai teaches the display is a bistable reflective display.

As to claim 3, see page 11, section [0191] of Asai.

As to claims 7, 8, Fig. 2 of Asai teaches the advertisement remains on the display for an extended period of time after power has been removed, and displaying a different advertisement on the display after a predetermined period of time.

As to claim 9, Asai teaches in the standby screen the advertisement replaces the content on the display.

As to claim 10, Fig. 2(c) of Asai also discloses the content remains on the display after power has been removed.

As to claim 11, the adding power to the display reads on returning power to the display terminal after power is removed.

As to claims 12-15, 17, Fig. 1 of Asai teaches transferring content or advertisement to a plurality of terminals from a host terminal having advertisement server or content server (e.g., page 6, sections [0114], [0120], and page 11, section [0186]).

As to claim 53, Gerszberg as modified by Asai teaches the advertisement remains on the display after power has been removed and power remains removed until user activity is detected (see Asai in sections [0121], [0201] for example).

3. Claims 4, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai in view of Gerszberg (US. PAT. NO. 6,084,583 hereinafter Gerszberg).

As to claims 4, 16, Asai discloses the advertisement information and the contents are sent from an external apparatus at appropriate times via a communication device (1359 in Fig. 21, page 13, section [0218]) but Asai does not disclose the content and advertisement are received via the Internet. However, Gerszberg teaches the content and advertisement are received via the Internet (col. 4, lines 35-40, col. 3 lines 25-30). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display terminal of Asai to comprise means for receiving the content and advertisement via the Internet to provide high speed advertisement data transfer from an advertiser to the advertisement display terminal.

4. Claims 18, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai in view of Nanba et al (US. PUB. NO 2001/0006389 hereinafter Nanba).

Asai does not disclose transmitting information between other terminals via a low power radio frequency or bluetooth. However, Nanba teaches transmitting information between other terminals via a low power radio frequency or bluetooth (page 4, section [0066] and lines 4-5 in section [0072]). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Asai to transmit information between other terminals via a

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low power radio frequency or bluetooth as taught by Nanba for providing a wireless communication such that the operability of the receiving terminal devices is improved.

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Asai in view of Hyakudai et al (US. PAT. NO. 5,920,598 hereinafter Hyakudai).

Asai does not disclose the content and advertisement are received via a DVB-T receiver. However, it is well known in the art that a data transmission comprising a DVB-T (e.g. see col. 1, lines 35-37 of Hyakudai). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Asai to transmit the content and advertisement via a DVB-T receiver so as to provide digital signal transmission by ground waves to broadcast the advertisements to the terminals.

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Asai in view of Munyan (US. PAT. NO. 5,761,485).

Asai does not disclose the content is a page of an electronic book and detecting a page turn at a particular time, and the period of user inactivity begins with the time of the page turn and ends a predetermined time later. Asai teaches the electronic device comprising an electronic book (page 15, lines 4-5 in section [0238]). Munyan teaches an electronic book with a page turn function (col. 8, lines 35-41). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the content of Asai to be a page of an electronic book with a page turn function as taught by Munyan so as to provide a portable electronic device that stores and displays many publications within a single unit. In addition, Asai teaches that an

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inactivity is detected in order to display advertisements, thus in order to detect the inactivity of user in an electronic book device, it would have been further obvious to one of ordinary skill in the art at the time the invention was made to modify Asai and Munyan to detect a page turn at a particular time, and the period of user inactivity begins with the time of the page turn and ends a predetermined time later to determine user inactivity so as to provide a screen saver mode in the electronic book device.

7. Claims 20-23, 27-35, 37, 41, 47-49, 51, 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai in view Strietzel (US. PUB. NO. 2002/0120564).

As to claims 20, 21, 51, Asai teaches the terminal is a mobile terminal (portable telephone as shown in Fig. 1). Asai does not explicitly disclose receiving an advertisement at the time of downloading content. However, Strietzel teaches a terminal receiving an advertisement at the time of downloading content (i.e., see sections [0012], [0049]). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the terminal of Asai to receive an advertisement at the time of downloading content so as to provide targeted multimedia content and advertising.

As to claims 41, 52, Strietzel disclose storing advertisements linked to the stored content (see section [0012] for example).

As to claim 22, Asai teaches the display is a bistable reflective display.

As to claim 23, Asai teaches receiving the content and detecting a predetermined period of user inactivity with respect to the content (e.g. see Asai [0191]).

As to claims 27, 28, Fig. 2 of Asai teaches the advertisement remains on the display for an extended period of time after power has been removed, and displaying a different advertisement on the display after a predetermined period of time.

As to claim 29, Asai teaches in the standby screen the advertisement replaces the content on the display.

As to claim 30, Fig. 2(c) of Asai also discloses the content remains on the display after power has been removed.

As to claim 31, the adding power to the display reads on returning power to the display terminal after power is removed.

As to claims 32-35, 37, 47-49, Fig. 1 of Asai teaches transferring content or advertisement to a plurality of terminals from a host terminal having advertisement server or content server (e.g., page 6, sections [0114], [0120], and page 11, section [0186]).

8. Claims 24, 36, 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai and Strietzel as applied to claims 23, 35, 41, and further in view of Gerszberg (US. PAT. NO. 6,084,583 hereinafter Gerszberg).

As to claims 24, 36, 42, Asai as modified by Strietzel discloses the advertisement information and the contents are sent from an external apparatus at appropriate times via a communication device (1359 in Fig. 21, page 13, section [0218]) but Asai as modified by Strietzel does not disclose the content and advertisement are received via the Internet. However, Gerszberg teaches the content and advertisement are received via the Internet (col. 4, lines 35-40, col. 3 lines 25-30). Thus it would have been obvious to one of ordinary skill in the art at the time



the invention was made to modify the display terminal of Asai as modified by Strietzel to comprise means for receiving the content and advertisement via the Internet to provide high speed advertisement data transfer from an advertiser to the advertisement display terminal.

9. Claim 44 is rejected under 35 U.S.C. 103(a) as being unpatentable over Asai as modified by Strietzel as applied to claim 41 above, and further in view Masahiro et al (JP 10105144 hereinafter Masahiro)

As to claim 44, Asai as modified by Strietzel does not disclose the advertisement is randomly selected from a plurality of advertisements. However, Masahiro teaches a screen saver display control having an advertisement as a display object wherein the advertisement is randomly selected from a plurality of advertisements (see the abstract). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Asai as modified by Strietzel to randomly select an advertisement from a plurality of advertisements since it enables it to collect valuable information, such as marketing information, reasonable, showing the always optimal information and drawing a user's interest.

10. Claims 38, 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai as modified by Strietzel as applied to claim 37 above, and further in view of Nanba.

Asai as modified by Strietzel does not disclose transmitting information between other terminals via a low power radio frequency or bluetooth. However, Nanba teaches transmitting information between other terminals via a low power radio frequency or bluetooth (page 4, section [0066] and lines 4-5 in section [0072]). Thus it would have been obvious to one of

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ordinary skill in the art at the time the invention was made to modify Asai as modified Strietzel to transmit information between other terminals via a low power radio frequency or bluetooth as taught by Nanba for providing a wireless communication such that the operability of the receiving terminal devices is improved.

11. Claims 25, 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai and Strietzel as applied to claims 20, 41 above, and further in view Hyakudai.

Asai as modified by Strietzel does not disclose the content and advertisement are received via a DVB-T receiver. However, it is well known in the art that a data transmission comprising a DVB-T (col. 1, lines 35-37 of Hyakudai). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Asai as modified by Strietzel to transmit the content and advertisement via a DVB-T receiver so as to provide digital signal transmission by ground waves to broadcast the advertisements to the terminals.

12. Claims 40, 45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Asai and Strietzel as applied to claim 20, 41 above, and further in view of Hamzy.

Asai as modified by Strietzel does not disclose the advertisement is a hyperlink on text. However, Fig. 6 of Hamzy an advertisement is a hyperlink on text. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Asai as modified by Strietzel to have the advertisement is a hyperlink on text as taught by Hamzy so as to increase the display time of advertisements associated with a particular URL.

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13. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Asai and Strietzel as applied to claim 20 above, and further in view of Munyan.

Asai as modified by Strietzel does not disclose the content is a page of an electronic book and detecting a page turn at a particular time, and the period of user inactivity begins with the time of the page turn and ends a predetermined time later. Asai teaches the electronic device comprising an electronic book (page 15, lines 4-5 in section [0238]). Munyan teaches an electronic book with a page turn function (col. 8, lines 35-41). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the content of Asai as modified by Strietzel to be a page of an electronic book with a page turn function as taught by Munyan so as to provide a portable electronic device that stores and displays many publications within a single unit. In addition, Asai teaches that an inactivity is detected in order to display the advertisement, thus in order to detect the inactivity of user in an electronic book device, it would have been further obvious to one of ordinary skill in the art at the time the invention was made to modify Asai as modified by Strietzel by Munyan to detect a page turn at a particular time, and the period of user inactivity begins with the time of the page turn and ends a predetermined time later to determine user inactivity so as to provide a screen saver mode in the electronic book device.

#### ***Response to Arguments***


14. Applicant's arguments with respect to claims 1-45, 47-53 have been considered but are moot in view of the new ground(s) of rejection.

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15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (703) 305-4719. The examiner can normally be reached on Monday-Friday from 9AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

  
REGINA LIANG  
PRIMARY EXAMINER  
ART UNIT 2674

RL

11/29/04